IN THE CLAIMS:

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Please amend claims 1-28 and add new claims 29-36 as indicated in the following Listing of Claims.

LISTING OF CLAIMS

1 1. (Currently amended) An antifriction bearing with integrated
2 lubricating material for lubricating parts that move
3 relative to each other, in particular with a respective
4 inner ring that exhibits a running path and an outer ring,
5 between which rolling bodies, in particular bearing balls,
6 are arranged, characterized in that wherein the improvement
7 comprises at least a part of the surface of at least one of

the parts exhibits includes a coating (52, 53) of lubricant.

- 1 2. (Currently amended) The antifriction bearing according to
- 2 Claim 1, characterized in that wherein one of the parts is a
- 3 <u>high pressure ball bearing having</u> $n \cdot D_m \ge 1$ mill. (n = speed

[RPM], $D_m = reference circle [mm]$).

- 1 3. (Currently amended) The antifriction bearing according to
- Claim 1 or 2, characterized in that wherein the lubricant is
- 3 designed in such a way as to be conveyed from the part
- 4 carrying the coating to the an uncoated part as the parts
- 5 move.
- 1 4. (Currently amended) The antifriction bearing according to
- 2 one of Claim 1 or 3, characterized in that 2 wherein the
- 3 lubricant and the \underline{a} counter-surface (57) of the \underline{an} uncoated
- 4 part (54) are designed in such a way that the lubricant
- adheres to the \underline{a} counter-surface of the uncoated part (54).
- 1 5. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 4, characterized in that Claim 1 wherein
- 3 the coating exhibits a varying composition (52a, 52b, 53,
- 4 42, 43, 44) from the \underline{a} side of the \underline{a} component to be coated

- 1 toward the <u>a</u> free surface.
- 1 6. (Currently amended) The antifriction bearing according to
- 2 one of the preceding claims, characterized in that the Claim

1 wherein an amount of lubricant on the a free surface of

- 4 the coating (55) is increased with respect to the side of
- 5 the component to be coated.
- 17. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 6, characterized in that Claim 1 wherein
- 3 the coating encompasses includes at least a carrier layer
- 4 (52a, 42) connected with on the surface of the coated part,
- 5 and at least one lubricant layer (53, 43, 44).
- 1 8. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 7, characterized in that Claim 1 wherein
- 3 the lubricant from the coating (53, 44) is a solid
- 4 lubricant.

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- 1 9. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 8, characterized in that Claim 1 wherein
- 3 the lubricant has constituents incorporated into the coating
- 4 (53, 44) that assume a liquid state during operation.

- 1 10. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 9, characterized in that Claim 1 wherein
- 3 the coating (53, 44) encompasses includes a metal-doped,
- 4 diamond-like carbon layer DCL.

- 1 11. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 10, characterized in that Claim 1 wherein
- 3 the coating encompasses <u>includes</u> a single or multi-sheet
- 4 polymer layer (42, 43, 44).

- 1 12. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 11, characterized in that the Claim 1
- 3 <u>further comprising a metallic</u> carrier layer (42, 52a) is
- 4 metallic.

- 1 13. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 12, characterized in that the entire
- 3 <u>Claim 1 wherein the</u> coating has additional functional layers
- 4 (52a, 52b, 42, 43), of which one is pressure-stabilizing.
- 1 14. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 13, characterized in that Claim 1 wherein
- 3 one or more layers of the coating have internal dampening.
- 1 15. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 14, characterized in that the Claim 1
- 3 wherein electrical resistance of the coating is altered by

- 1 16. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 15, characterized in that one Claim 1
- 3 wherein said coating includes several layers and one of the
- 4 several layers has an electrically insulating effect.
- 1 17. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 16, characterized in that Claim 1 wherein
- 3 the coating differs visually from the basic substrate
- 4 material (51, 41).
- 1 18. (Currently amended) The antifriction bearing according to
- 2 Claim 17, characterized in that the Claim 1 wherein visual
- 3 properties of the coating are altered by wear.
- 1 19. (Currently amended) The antifriction bearing according to

- 1 one of Claims 1 to 18, characterized in that Claim 1 wherein
- 2 the coating causes the surface hardness of the coating to
- 3 decrease or remain unchanged.
- 1 20. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 19, characterized in that Claim 1 wherein
- 3 at least one component of an antifriction bearing is
- 4 provided with a corresponding coating.
- 1 21. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 20, characterized in that Claim 1 wherein
- 3 at least one component of a sliding bearing is provided with
- 4 a coating.
- 1 22. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 21, characterized in that Claim 1 wherein
- 3 an additional lubricant is provided exclusively on the
- 4 contacting surfaces of the parts.

- 1 23. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 22, characterized in that Claim 22
- 3 wherein the additional lubricant has high adhesive and
- 4 cohesive forces.
- 1 24. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 23, characterized in that Claim 1 wherein
- 3 an additional, second unbound lubricant is present.
- 1 25. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 24, characterized in that Claim 1 wherein
- 3 the lubricant is designed as a carrier for the lubricant(s).
- 1 26. (Currently amended) The antifriction bearing according to
- 2 one of Claims 1 to 25, characterized in that Claim 1 wherein
- 3 the coating and/or the additional lubricants can be
- 4 sterilized.

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1 27. (Currently amended) The antifriction bearing according to
2 one of Claims 1 to 26, characterized in that Claim 1 wherein
3 the lubricant of the coating (53, 44) and/or the additional
4 lubricant are selected in such a way as to be compatible

with a prior art lubricant according to prior art.

1 28. (Currently amended) The antifriction bearing according to
2 one of Claims 1 to 27, characterized in that the lubricants
3 consist Claim 1 wherein the lubricant consists of several
4 layers.

1 29. (New) A self lubricating antifriction device comprising:

2 (a) a first uncoated substrate material forming a

3 bearing, a ball, a roller or a bearing cage;

4 (b) a second coated substrate material forming a

5 bearing, a ball, a roller or a bearing cage disposed at an

6 operable distance from said first uncoated substrate

- 1 material; and
- 2 (c) a dry lubricating functional coating disposed on
- 3 said second coated part to form said second coated substrate
- 4 material and to lubricate said first uncoated substrate
- 5 material and said second coated substrate material.
- 1 30. (New) The self lubricating antifriction device of claim 29
- 2 wherein said dry lubricating functional coating is a
- 3 lamellar form of modified tungsten disulfide.
- 1 31. (New) The self lubricating antifriction device of claim 29
- wherein said dry lubricating layer is a metal-doped diamond-
- 3 like carbon layer (DCL).
- 1 32. (New) The self lubricating antifriction device of claim 29
- 2 wherein said dry lubricating layer is PTFE.

- 1 33. (New) The self lubricating antifriction device of claim 29
- 2 further comprising an intermediate layer disposed between
- 3 said second coated substrate material and said dry
- 4 lubricating functional coating.
- 1 34. (New) The self lubricating antifriction device of claim 33
- 2 wherein said intermediate layer is a chrome layer.
- 1 35. (New) The self lubricating antifriction device of claim 34
- wherein said chrome layer includes at least one lamellar
- 3 WC/C layer.
- 1 36. (New) A self lubricating antifriction bearing apparatus
- 2 comprising:
- 3 (a) a bearing having an inner ring, an outer ring and
- 4 bearings disposed intermediate said inner ring and said
- 5 outer ring;
- 6 (b) a dry lubricating coating disposed on at least one

part of said inner ring, said outer ring or said bearings to 1 2 form a functional layer for supplying lubricant to remaining 3 parts of said inner ring, said outer ring and said bearings; 4 and (c) an intermediate layer comprising a transitional 5 6 layer or a support layer disposed intermediate said dry lubricating coating and said at least one part of said inner 7 8 ring, said outer ring or said bearing wherein said functional layer and said intermediate layer have a combined 9 10 coating thickness of about 1 to 10 μm .